

In The Specification:

IN THE ABSTRACT: Please replace the present abstract with the following:

The invention relates to a method for the registration of a series of at least three temporally successively acquired images (I_1 - I_n) of an object. Individual images (I_2 - I_n) to be registered are transformed into registered images (I_2' - I_n') using an individual mapping rule (T_2 - T_n). A similarity measure (M) is used to determine a mapping rule (T_2 - T_n), where to achieve a higher registration accuracy, a common similarity measure (M) of all images (I_1' - I_n') in order to determine the mapping rules (T_2 - T_n) for all images is implemented. The invention also relates to a corresponding registration device.